# Draft Memorandum

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| Date: | September 30, 2010 |
| Subject: | **Summary of PCB Remediation (AOC-8)**<br>**Former InteliData Facility**<br>**80 Pickett District Road, New Milford, Connecticut**<br>**ERM Project No. 0116794** |

**Remediation Summary**:

*Delineation of Release Area*

On August 14, 2010 ERM conducted a soil sampling effort designed to complete the delineation of the previously identified release of polychlorinated biphenyls (PCBs) in soils surrounding the on-site transformer owned by Connecticut Light & Power (CL&P) located in AOC-8. As part of this effort, ERM collected soil samples inside and outside of the fenced-in enclosure surrounding the CL&P-owned transformer. (The highest PCB concentration identified during the initial testing conducted between 2001 and 2004 (1.3 parts per million (ppm)) was reported from just outside the fenced-in enclosure.)

The August 14, 2010 sampling effort included the collection of ten (10) soil samples in AOC-8 as depicted on the attached "Figure 1 – AOC-8 Pad Mounted Transformer Sample Locations and Excavation". These samples were collected and analyzed in accordance with the revised Quality Assurance Project Plan (QAPP) with analysis conducted by Spectrum Analytical of Agawam, Massachusetts. The results of the analyses, summarized in "Table 1 – AOC-8 Soil Analysis Results," were compared with the Residential Direct Exposure Criteria for PCBs (1 ppm). Based on the laboratory results:

1. No PCBs were found at concentrations above the 1 ppm remedial criterion within the fenced-in transformer area.

2. No PCBs were found at concentrations above the 1 ppm remedial criterion outside the fenced-in transformer area.

Based on these results, the remedial effort was defined as an excavation to a depth of two (2) feet over the lateral area shown on Figure 1. The excavation was extended to the north to sampling point TR-12A where PCBs were detected at a concentration of 0.428 ppm (i.e., less than one-half the remedial criterion).

*Remediation Efforts and Post-Excavation Sampling*

The initial excavation was conducted on August 27, 2010. Soil was stockpiled on and under polyethylene sheeting while awaiting characterization results for disposal.

Post-excavation soil samples were collected at the locations shown on Figure 1. Analysis of the post-excavation soil samples indicated the following:

- Post-excavation samples collected from sidewalls and the bottom of the excavation did not contain PCBs above minimum laboratory detection limits, except for along the southern wall of the excavation (near the fence surrounding the CL&P-owned transformer); and

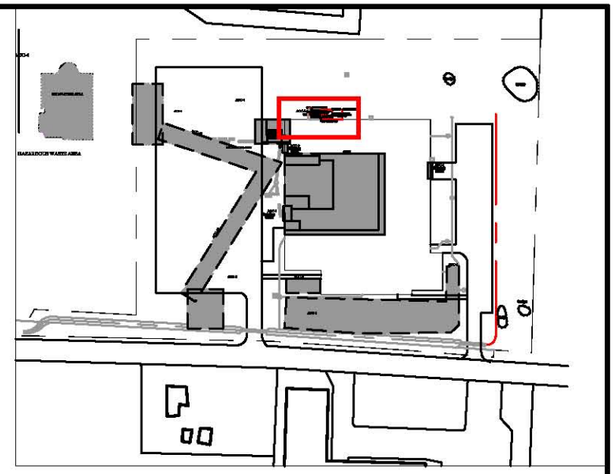
- The southern post-excavation sample contained PCBs at a concentration of 2.22 ppm (the highest concentration reported within the release area).

Based on these results, ERM performed a second soil excavation along and beneath the northern portion of the fencing surrounding the CL&P-owned transformer. The area of the second soil excavation is identified on Figure 1. ERM collected an additional post-excavation sample on September 20, 2010 from within the area of the second soil excavation. As noted in Table 1, that sample had a PCB concentration (0.126 ppm) well below 1 ppm.

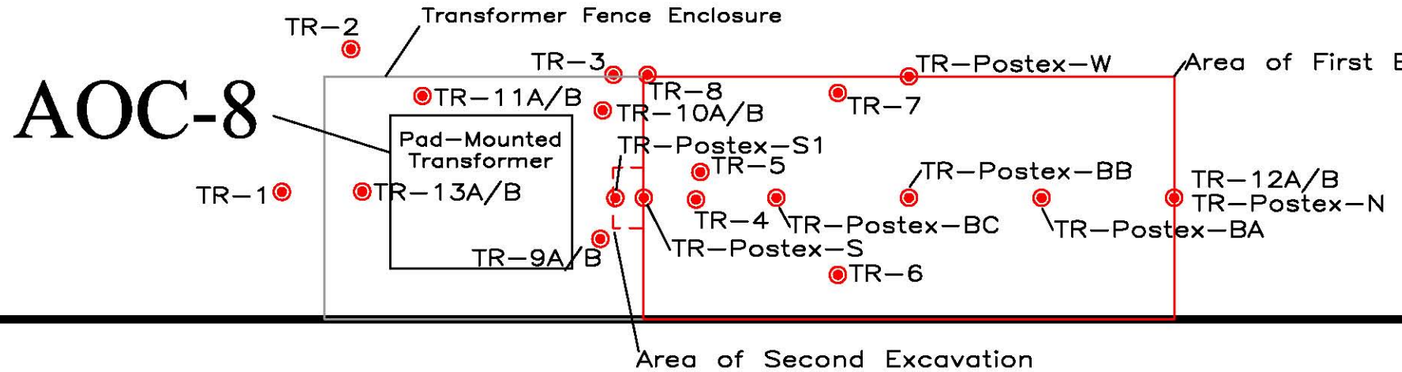
ERM, therefore, determined that the remedial effort at AOC-8 has been successfully concluded. This information will be incorporated into the final remedial action report that ERM will prepare upon the completion of the soil vapor extraction/air sparging remedial effort.

*Attachments*

DRAFT



Location Map
Scale: 1"=250'




LEGEND

TR-6 PCB Soil Sample Location

Scale (1"=10')
5 0 5 10 20

**Figure 1** - AOC-8 Pad Mounted Transformer
Sample Locations and Excavation
Intelidata, New Milford, CT

ERM

**Table 1: AOC-8 Transformer**
**Summary of Soil Sample Results**
Intelidata
New Milford, Connecticut

| ERM ID # | RES DEC | I/C DEC | GB PMC | TR-1 | TR-2 | TR-3 | TR-4 | TR-5 | TR-6A | TR-6B | TR-7A | TR-7B | TR-8B | TR-9A | TR-9B | TR-10A | TR-10B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date Sampled | | | | 5/18/2001 | 5/18/2001 | 5/18/2001 | 5/18/2001 | 4/27/2004 | 4/27/2004 | 4/27/2004 | 4/27/2004 | 4/27/2004 | 4/27/2004 | 8/14/2010 | 8/14/2010 | 8/14/2010 | 8/14/2010 |
| Lab ID # | | | | AC48155 | AC48156 | AC48157 | AC48158 | SA11687-01 | SA11687-02 | SA11687-03 | SA11687-04 | SA11687-05 | SA11687-06 | SB16632-03 | SB16632-04 | SB16632-05 | SB16632-06 |
| Sample Depth | | | | 0-6" | 0-6" | 0-6" | 0-6" | >1' | 0-1' | >1' | 0-1' | >1' | >1' | 0.0-0.5' | 1.5-2.0' | 0.0-0.5' | 1.5-2.0' |
| | | | | | | | | | | | | | | | | | |
| PCBs (ug/kg) | | | | | | | | | | | | | | | | | |
| *PCB-1254* | 1,000 | 10,000 | NE | 41 | ND | ND | 1,300 | ND | 1,020 | ND | ND | ND | ND | 27.3 | ND | 45.3 | ND |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| ERM ID # | RES DEC | I/C DEC | GB PMC | TR-11A | TR-11B | TR-12A | TR-12B | TR-13A | TR-13B | TR-Postex-N | TR-Postex-BA | TR-Postex-BB | TR-Postex-W | TR-Postex-S | TR-Postex-BC | TR-Postex-S1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date Sampled | | | | 8/14/2010 | 8/14/2010 | 8/14/2010 | 8/14/2010 | 8/14/2010 | 8/14/2010 | 8/27/2010 | 8/27/2010 | 8/27/2010 | 8/27/2010 | 8/27/2010 | 8/27/2010 | 9/20/2010 |
| Lab ID # | | | | SB16632-07 | SB16632-08 | SB16632-01 | SB16632-02 | SB16632-09 | SB16632-10 | SB-17423-01 | SB-17423-02 | SB-17423-03 | SB-17423-04 | SB-17423-05 | SB-17423-06 | SB18513-01 |
| Sample Depth | | | | 0.0-0.5' | 1.5-2.0' | 0.0-0.5' | 1.5-2.0' | 0.0-0.5' | 1.5-2.0' | 0.5' | 1.0' | 1.0' | 0.5' | 0.5' | 1.0' | 1.0' |
| | | | | | | | | | | | | | | | | |
| PCBs (ug/kg) | | | | | | | | | | | | | | | | |
| *PCB-1254* | 1,000 | 10,000 | NE | ND | ND | 428 | ND | ND | ND | ND | ND | ND | ND | 2,220 | ND | 126 |
| | | | | | | | | | | | | | | | | |
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ND = Not Detected
NT = Not Tested
NE = None Established
Standards = Connecticut Department of Environmental Protection Remediation Standard Regulations numerical criteria
RES DEC = Residential Direct Dexposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for soils in a GB ground water classification area